



RGSQ Bulletin

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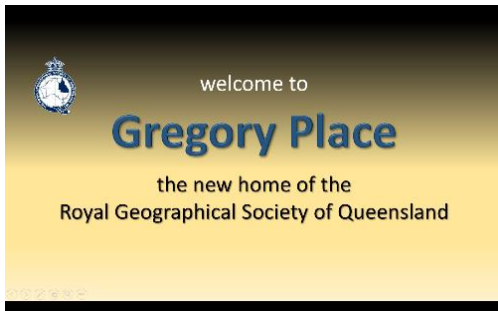
Published by The Royal Geographical Society of Queensland Inc., a not-for-profit organisation established in 1885 that promotes the study of geography and encourages a greater understanding and enjoyment of the world around us.

Patron: [H.E. Paul de Jersey AC, Governor of Queensland](#)

President: Dr Iraphne Childs

From the President

Dear Members - **Open Day:** On Tuesday, 9th April we welcomed around 40 members and visitors to RGSQ's new home - **Gregory Place** for our "Open Day". Many commented that it definitely looked like a Geographical Society! Members also remarked that a key benefit of the new premises was the easy access which the "open plan" now allowed to browse the library and map collections. To do so had, previously, been somewhat difficult at Milton as these resources were located in a separate room from the auditorium and were rarely used by members.



I would like to thank **Bob Abnett** and **Ian Francis** for leading a team of volunteers (**John Fairbairn, Jim**

Graham, Roger Grimley, John Ladbroke, Neville McManimm, Peter Nunan, Graham and Kay Rees, Bob Reid, Mary Comer, Ralph Carlisle) who worked to complete the fit-out of the new premises, and preparing and catering for the Open Day/Evening.

And so, this completes our move ... We now hope to see members coming along to enjoy Gregory Place, browse our library and map collections, attend the regular monthly lectures, meetings of special interest groups or just to drop in any time they are in the vicinity.

Changes to office staffing: Recognising the Society's expanding range of activities and obligations, in late 2018 Council resolved to address a critical need to review and restructure RGSQ office employed positions. Over the past few months, in consultation with our existing staff, we have been engaged in clarifying and redefining office roles. We believe the changes will assist staff in their work and enable us to pursue more effectively the Society's wider goals in promoting Geography. The changes which have been introduced are:

- **The Executive Officer** position is discontinued; the email address execofficer@rgsq.org.au should no longer be used.

- **Bernard** has accepted a new role as Australian Geography Competition (AGC) Coordinator working exclusively on the AGC from 1st April 2019. He will no longer work on other RGSQ matters;
- **Lilia** has accepted and will continue as our Business Manager from 25 March 2019, taking on some additional responsibilities previously undertaken by the Executive officer. She will no longer work on the AGC;
- **Rosie** will continue in her current role as Administrative Assistant, working primarily with Lilia and as our receptionist. As occasion demands she will assist Bernard with the AGC in intensive periods of the Competition.

I would like to thank Bernard, Lilia and Rosie for their cooperation and assistance during this process of change. The next few months will be a period of transition during which responsibilities are re-aligned. Members please note:

- **Regular office hours** are Monday-Friday 9am-2.30pm. If you wish to visit RGSQ outside these hours please check in advance with staff on 07 3368 2066.
- **Phone inquiries** relating to all RGSQ matters should continue to use 3368 2066. Rosie will respond on reception (Tuesdays and Wednesdays 9.00am-1.00pm) or Lilia will respond (daily from 9.00am to 2.30pm). If no-one is there to take your call please leave a message on the answering machine
- **Email inquiries** relating to all RGSQ matters should be directed to Rosie at admin@rgsq.org.au or Lilia at info@rgsq.org.au. The email address execofficer@rgsq.org.au should no longer be used. Any inquiries relating to the AGC should be sent to Bernard at AGCcoordinator@rgsq.org.au
- **Correspondence** from RGSQ committees or members to external agencies should be directed in the first instance to Lilia. She will either place the correspondence on RGSQ letterhead, record and post it, or forward it to the President or relevant Councillor to address.

Please support our staff in their new roles and thank you for your recognition of these changes.

I look forward to seeing you at RGSQ Fortescue street.

Dr. Iraphne Childs, President

CONTRIBUTORS

Jen Carter, IrAPHNE Childs, Mary Comer, Audrey Johnston, Ian Francis, Peter Griggs, Todd McNeill, Wayne Mackenzie, Peter Lloyd, Graham Rees, Chris Spriggs, Ian Stehbens

PHOTOGRAPHY

IrAPHNE Childs, Peter Griggs, Kay Rees, Ian Stehbens

MAY 2019 LECTURE

'TAKING THE WATERS': MINERAL SPRINGS, ARTESIAN BORES AND HEALTH TOURISM IN QUEENSLAND

presentation by Peter Griggs, RGSQ Vice-President

Date: Tuesday, May 7, 2019

Time: 7.30pm-9pm

Venue: [Gregory Place, Level 1, 28 Fortescue St, Spring Hill](#)

RSVP: <http://rgsq.org.au/whatson>



Peter is a "mostly retired" university lecturer, currently teaching part-time in The University of Queensland's School of Earth and Environmental Sciences. He has had a long interest in geographical and historical inquiry, having completed a Bachelor of Arts with Honours in Geography and PhD in historical geography during the 1980s. Peter was previously an Associate Professor in Geography at James Cook University, having moved to Far North Queensland in 1991 when he was appointed the foundation lecturer in human geography at the newly established Cairns Campus of

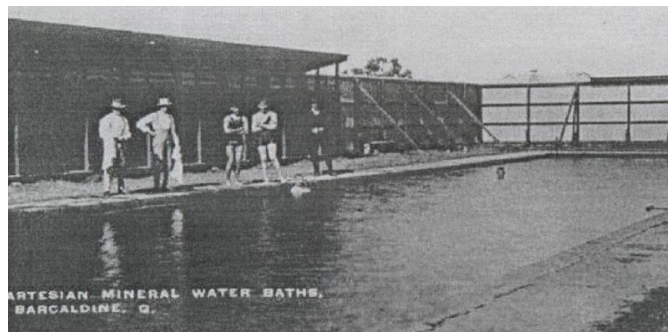
James Cook University. As a historical geographer, Peter has focussed on reconstructing geographies of past periods, using historical methods of inquiry, especially archival sources.

Peter is the author of the RGSQ's centenary history, *A Dream in Trust* (1985) and has published extensively in agricultural and environmental geography and history. One of his major works is *Global Industry, Local Innovation: The History of Cane Sugar Production in Australia, 1820-1995* (Peter Lang, 2011). During 2014, Peter was a Harold White Research Fellow at the National Library of Australia, undertaking research into tea in Australia. This research forms the basis of Peter's latest book, "Billy cans and brews: a social and economic history of tea in Australia" (Cambridge Scholars Press, forthcoming). Since returning to Brisbane in late 2016, Peter has been leading a small team of volunteers who are creating the Society's archives. He and his wife Tracey have three adult children, although none drink tea, but they all enjoy travelling, especially overseas, just like their parents.

Presentation: Between 1870 and 1950, thousands of Australians engaged in a very ancient practice known as 'taking the waters' or hydrotherapy. They consumed and/or bathed in water high in mineral content that was associated with mineral springs or particular artesian bores.

This presentation identifies the six main places in Queensland which were the focus of health tourism involving mineral-laden waters: Innot Hot Springs; Helidon; Muckadilla; Aramac; Barcaldine and Dalby.

Between 1880 and 1950, these towns were visited by thousands of visitors, some invalids, seeking relief from various medical complaints, including tuberculosis, rheumatism, arthritis, gout, insomnia and digestive problems. At each locality, infrastructure such as hand pumps, bathing pools, bath-houses and accommodation houses were built to cater for the visitors. Interest in 'taking the waters' wanes in Queensland after the rise of new drug cures and physiotherapy during the 1950s. However, continued belief in the healing power of water high in mineral content has ensured that the spa era has never really ended in Australia. Today, tourists still soak themselves in the mineral waters at Innot Hot Springs and the hot artesian bore waters at Mitchell, Bedourie and Quilpie (Queensland), Moree, Lightning Ridge (New South Wales) and Daylesford-Hepburn (Victoria).



Barcaldine's mineral water baths, c. 1910. "Barcaldine is noted for its mineral baths" (*Commonwealth Illustrated Directory (Qld. Edition.)*, 1934-35, p. 11). Source: Image courtesy of State Library of Queensland



RGSQ Special General Meeting

Date: 7 May 2019

Time: 7:15 pm prior to the monthly lecture

Venue: [Gregory Place, Level 1, 28 Fortescue St, Spring Hill](#)

RSVP: To register your attendance for the meeting please visit the RGSQ website <https://rgsq.org.au/whatson>.

Your participation in a Special General Meeting of the members of the Society being held on Tuesday 7th May 2019 is earnestly encouraged. *The meeting will deal with a proposal to change the Society's basis of incorporation, including adoption of a new Constitution.*

A notice of meeting and explanatory note as well as directions to access the proposed new constitution and by-laws were sent to all RGSQ members via email and post. If you have not received these, please contact the RGSQ Office on 07 3368 2066 or email info@rgsq.org.au.

Full text of the proposed new Constitution (25 pages) and accompanying By-laws (4 pages) can be downloaded from the RGSQ website - www.rgsq.org.au from the Members Only section under "Updating the Society's Basis of Incorporation" page (please log-in with your credentials).

These proposed changes are an important element of positioning the Society for the future. The Special General Meeting is the culmination of the Council's consideration and member input on this issue over a lengthy period and your involvement in this process is very much welcomed.

The Special General Meeting (at 7.15pm) will precede the May lecture - *'Taking the Waters': Mineral Springs & Health Tourism in Queensland* delivered by Peter Griggs, RGSQ Vice-President.

Travel Information Night with Coral Expeditions

YOU ARE INVITED TO JOIN US

FOR AN EXCITING TRAVEL INFORMATION NIGHT

DATE: Thursday, 23 May 2019

TIME: 7:30 pm start, light refreshments after event

VENUE: 'Gregory Place'

Level 1, 28 Fortescue St, Spring Hill

RSVP: email info@rgsq.org.au or

register online at <https://rgsq.org.au/whatson>

by Friday 17 May (for catering purposes)

Find out more about the session: email info@rgsq.org.au



Special offers for Society members will be available on the night

UPCOMING EVENTS



The Treks and Activities Committee have now finalised the program for 2019. Details of forthcoming events are shown in this Bulletin up to September.

We are planning a full weekend trip to Gympie in early November including a ride on the Mary River Rattler, the Gympie Gold Museum and the Woodworks Museum. Also, on November 23rd there will be a day trip to St Helena Island National Park. Keep a lookout on the website for details of these and all the other treks and activities.

We are always looking out for new ideas and organisers for these geographical slanted trips and activities. Tentatively, we are planning a trek to the Lambert Centre in September 2020 and to Carnarvon Gorge in 2021. Future programs can be found at www.rgsq.org.au, under What's On/Events List.

MAY 14: Lamington National Park Bush Walk

A walk in the Binna Burra area of Lamington National Park

Cost: members \$10, non-members \$15 payable to RGSQ Office or on-line at <http://rgsq.org.au/whatson> if possible; limit 12. *Only 3 places left!*

Daves Creek Circuit is a walk of 12km on graded tracks. There are areas of rainforest and heath land, a cave, views into the Numinbah Valley and even more distant views if you climb part or all of the way up Surprise Rock. We will also take a short side track to a beautiful little waterfall.

A retired geologist is coming along as a guest to give us information about the geology and formation of the area.

Must take: A backpack with rain jacket, small first aid kit, torch (although you shouldn't need it) something warm to wear, morning tea, lunch and 1.5 - 2 L water. Sturdy boots/shoes must be worn as the ground is rough. Don't forget sun and insect protection and a hat. A walking stick may be useful.

Meeting: We will meet in Canungra, opposite the Post Office at 8.00am at the Canungra Hub Cafe. This cafe opens at 6.00am so you may like to come early for breakfast or coffee. When registering please give your phone/mobile number, suburb and whether you are prepared to drive as we will arrange carpooling where possible.

Coordinator: Mary Comer

JUNE 5: Visit to Cobb+Co Museum

Come spend a day with us exploring the wonders of the Cobb & Co Museum in Toowoomba

Where: 27 Lindsay St Toowoomba

When: 10:00am Wednesday 5th June 2019

Cost: Members \$30.00; Non-members \$35.00 (includes concessional entry and sandwich platter lunch, excluding drinks)

Transport: Own transport

Parking: Free Parking is available behind the museum off Lindsay Street.

Register online: <http://rgsq.org.au/whatson>

Cobb & Co Museum is part of the Queensland Museum and houses the National Carriage Collection and focuses on horse-drawn vehicles and heritage trades. The museum conducts courses in many of the disappearing arts and trades and mounts exhibits on a wide array of topics as well as holding The Lost Trades Fair.

The day visit will start with members and guests arriving at the museum by their own means to enjoy morning tea (own cost) at the Cobb's Coffee Shop, located in the Museum building.

At 10:30am a guided tour of the Museum will be conducted by the Curator, Mr Geoff Powell (subject to his availability), or an experienced volunteer guide, followed by lunch in the café at 12:30pm.

Following lunch, members and guests are welcome to explore the many exhibits and displays on their own until 2:00pm, when the Curator or his guest speaker will present the monthly Curator Conversations on a topic which at this stage remains a secret. Following the Curator Conversation members and guests are welcome to explore more of the beautiful city of Toowoomba or make their own way home.

Coordinator: Wayne Mackenzie.

JULY 11: NAIDOC Week, at Redcliffe

Help celebrate NAIDOC week with a talk and demonstration about growing and using bush foods

WHERE: Redcliffe Library, corner Oxley Ave and Downs Street (street parking or under the building)

TIME: Arrive by 9.45am for a 10.00am start

COST: Members \$15.00, Non-members \$23

BOOK: Preferably online at <http://rgsq.org.au/whatson> or with the office at 3368 2066

It is known that aborigines inhabited Australia from between 50,000 & 55,000 years ago, probably around Darwin and Lake Mungo, NSW. Between 1940 & 1955, a Day of Mourning or Aborigines' Day was held as a celebration of aboriginal culture. Now NAIDOC WEEK is held not only by indigenous people but by people from all walks of life. It celebrates the history, culture and achievements of Aboriginal and Torres Strait Islander People.

Our guest speaker, Veronica Cougar, owns a bush foods nursery at Obi Obi. She is a very knowledgeable and enthusiastic speaker. We will learn how to propagate, grow and use bush foods. We will taste a variety of foods and even have the opportunity to buy some plants.

Bring or buy lunch to enjoy by the Bayside then we can explore the Redcliffe Botanical Gardens only a short drive away. It contains a wide variety of plants, some of local origin.

Look forward to your company and bring your friends.

Coordinator: Audrey Johnston

UPPER YABBA VALLEY

WEEKEND TREKS

TREK A July 20-21, 2019: Baiyambora Gorge, Gates of Yabba & Yabba Falls

TREK B August 9-11, 2019: Two Gorges: Yabba Falls & Kingaham Gorge

These trek weekends are an activity of The Royal Geographical Society of Queensland.

Please register at <https://rgsq.org.au/whatson>.

TREK A July 20-21: YABBA FALLS Baiyambora Gorge, Gates of Yabba & Fishermans Spur (return Day Hike) & Yabba Falls (Field Day)

SATURDAY 20th - RETURN DAY HIKE: Good fitness required

To enter into the Baiyambora Gorge is to enter into majesty! There is much to discover and wonderful landscapes to assess. The main hike is challenging, but safe. It is a 9km day hike. The descent is 300m down a spur then following the creek and gorge upstream into Gates of Yabba with access to the foot of Yabba Falls and the Primaeval Forest.

SATURDAY 20th - ADVENTURE OPTION THROUGH HIKE including abseiling descents: the experience of standing beside Top Pool looking up at the plunging falls is unforgettable. To explore The Showerroom is a must. To stand above Gate of Heaven and look down to the second bottom of the gorge is awesome. To do science down there measuring gbh of towering hoop pines, or recording fungi, is important research. *Maximum for 5 people.*

Abseiling will be provided by qualified abseiling guides (Climbing Guides Australia). There will be two descents each between 40 and 60 metres. Those doing abseiling must be prepared to walk out from the base of the falls along a creek bed. This is about a 4km walk, ascending 300m, although alternative steeper ascents are possible.

Abseiling Cost: \$180 each (GST Incl), includes insurance for this activity.

Pre-booking and prior payment essential for this option.

The group of abseilers will meet up with the hikers and leave the gorge together.

SUNDAY 21st - YABBA FALLS: Described by the custodians of Conondale Conservation as "Booloomba on steroids!", Yabba Falls is our primary destination today. It will be a gentler day than the previous one. The falls will be viewed from the plateau, looking down into the gorge from different vantage points above Top Plunge, through Eye of the Needle, from

Superb Corner Lookout and Weaner Rock. Opportunities for plant identification, or field sketching, drone photography, or unravelling the structural geology enigmas.

TREK B August 9-11, 2019: Two Gorges

SATURDAY 10th - BAIYAMBORA GORGE & YABBA FALLS

There is much to discover and wonderful landscapes to assess. The main hike is challenging, but safe. It is a 9km day hike. The descent is 300m down a spur then following the creek and gorge upstream into Gates of Yabba with access to the foot of Yabba Falls, and the Primaeval Forest.

SUNDAY 11th - KINGAHAM GORGE FIELD DAY

Today the bushwalking will take us into another environment with different geology, landforms including a series of waterfalls, pools and puzzles: Two Step Falls, The Ballroom Pool, Ochre Falls, Broken Mirror Falls, Masons Quarry, Broken Femur Falls, The Greenstone Crater.

Opportunities abound for landscape aesthetics assessment, landform recording, vegetation identification, photography and drone imaging (if you bring your own drone). Only moderate fitness required for this day, which can be tailored for your level of ability.

FITNESS

The weekend is appropriate for people with good bushwalking fitness and endurance, though a range of fitness levels can be catered for by some tailoring of the program:

1. easy but rough walk to top of Yabba Falls and Weaner Rock;
2. moderate challenge due to length of slopes gives access into Upper Yabba country and into Gates of Yabba and Baiyambora Gorge;
3. challenging hike (9km return with 300m descent and return ascent) into Gates of Yabba with access to the foot of Yabba Falls, and the Primaeval Forest.

Walking will be on unformed tracks through open grazing country including grasses and timbered country, and over rock surfaces. There is no current infrastructure (e.g. paths, safety fences), so caution must be exercised especially in rock locations and cliff areas. Comfortable and sturdy shoes should be worn while walking, a hat, sunscreen and water are imperative.

LOCATION

People need to assemble at Borumba Deer Park, Yabba Creek Road, Imbil by 7.30am on the Saturday morning and again on the Sunday morning. This trek will involve two days, returning to Imbil on both days. Access to the field site from Imbil requires a 4WD vehicle, so we will be carpooling for those who do not have a 4WD. Please advise if you have a 4WD and are prepared to help transport participants from Borumba Deer Park and back on each day.

Assembly Point: Borumba Deer Park, 1133 Yabba Creek Road, Imbil

COST: TREK A or TREK B

Registration <https://rgsq.org.au/whatson>: \$25 per person includes a BBQ (food and non-alcoholic drinks) on Friday 'Meet and Greet', and Saturday evening. Paid registration by Wednesday 10 July 2019.

OPTIONAL ABSEILING COST: 'TREK A' Only

Abseiling Cost: \$180 each (GST Incl), includes insurance for this activity. **Pre-booking and prior payment essential for abseiling.** If you are interested in abseiling with highly qualified guides, please call the RGSQ Office 3368 2066 or email info@rgsq.org.au by 1 July 2019

SPECIAL INTEREST GROUPS



KEN SUTTON MEMORIAL LIBRARY GROUP

The group will meet on Monday, the 24th of June, from 9.30am to 12 noon.

Venue: 'Gregory Place', Level 1, 28 Fortescue St, Spring Hill, 4000

The group will not meet in May.



EVENTS CALENDAR

New and existing members welcome

For a full view of the Map Group year refer to the RGSQ website www.rgsq.org.au

Tue, 7 May 2019, 8:40am - 3:30pm

Visit to North Stradbroke Island Historical Museum & lunch at Island Fruit Barn Café

Details

The museum (at 15/17 Welsby St, Dunwich QLD 4183) has a range of permanent displays about the Quandamooka people, convict history, shipwrecks and maritime history, the story of sandmining on the Island, as well as lots of photos of the old fishing shacks, boats and buses that helped kick off the tourism industry on Straddie. As well as this, they will provide us access to their small but interesting map collection. The visit includes morning tea.

Lunch

Lunch at the pleasant Island Fruit Barn Café followed by a return water taxi to Cleveland. Members may choose to stay longer on Stradbroke Island and catch a later water taxi back to Cleveland.

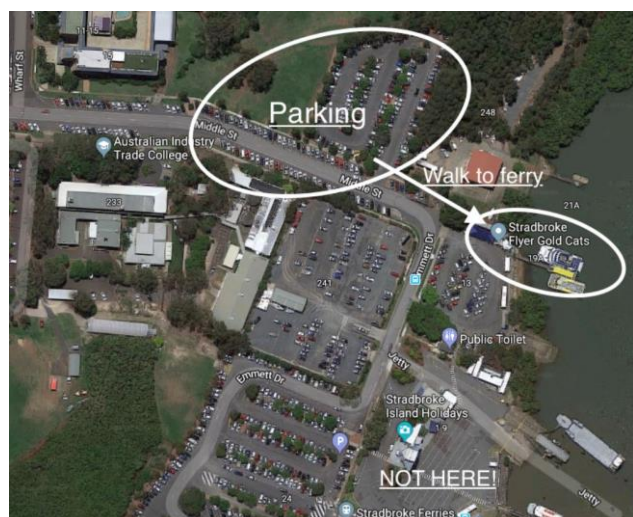
Water Taxis depart at 1:25pm, 2:25pm, 3:55pm, 4:55pm.

Transport Note/Meeting Point:

Members to meet at the Stradbroke Flyer Gold Cat ferry, Corner of Middle Street and Emmett Drive, Cleveland, QLD 4163 at 8.40am. Ferry departs at 8:55am. Visitors to purchase own ferry tickets.

Location

Map 1 shows where to park and how to get to the ferry at Cleveland.



Map 2 shows the location of the Gold Cat ferry terminal at Dunwich and the Museum and Lunch locations.

Transport: Stradbroke Flyer Gold Cat ferry, Corner of Middle Street and Emmett Drive, Cleveland, QLD 4163 departing 8:55am.

Cost: \$8.00 includes morning tea, participants to pay water taxi fares and lunch.

Coordinators:

Ian Francis (07) 3266-2285, 0457-628-033 email brisfran@gmail.com and John Fairbairn email j.fairbairn@iinet.net.au

Mon, 3 June 2019, 10:00am - 12:00 noon

Keith Treschman (Map Group Member) Topic: Areography (the scientific study of the planet Mars' geographical features)

Details

Keith Treschman is a Science Teacher and has taught Science in secondary schools for over 40 years. He has a passion for Astronomy and has written curriculum materials on this topic for teachers. His PhD is on "Astronomical Tests of General Relativity". He is responsible for the installation of an observatory at Brisbane Girls Grammar School - this is at its outdoor centre near Gympie. In this facility are 4 telescopes, 3 of which are operated by the students robotically from their computers.

Topic Overview: Earth has latitude defined from the equator, longitude based on Greenwich and height referred to sea level. How is this done on Mars? What are the features on this planet?

Location: 'Gregory Place', 28 Fortescue Street Spring Hill Brisbane

Cost: \$2.00 towards the cost of tea and coffee

Coordinator: Ian Francis (07) 3266-2285, 0457-628-033 email brisfran@gmail.com

Wed, 17 July 2019, 10:00am - 12:00pm

Map Group visits RGSQ libraries, lunch at the International Hotel Spring Hill

Details

Aim of tour/ visit: Map Group visits own library at RGSQ headquarters - exploration and explanations by Map Group Members Peter Nunan, Peter Lloyd and Jim Graham. The presenters will delve into the unusual, rare and bizarre maps and books in our collection.

Lunch: at the International Hotel, 525 Boundary Street Spring Hill

Location: 'Gregory Place', 28 Fortescue Street Spring Hill Brisbane

Transport: Members to make own arrangements

Cost: Nil (lunch at own expense)

Coordinator: Ian Francis (07) 3266-2285, 0457-628-033 email brisfran@gmail.com

REPORT: Map Group Presentation

Mapping a New Colony, the Geographical Construction of Queensland

By Peter Lloyd



On 1 April, no fooling, the Society's Map Group took line honours for the first presentation in the Society's new premises and, as usual, did not disappoint. RGSQ Vice-President Dr Peter Griggs gave a fascinating talk on the

different types of maps produced between 1860 and 1880 to describe the European development of early Queensland.

The audience of about 20 Map Group members and visitors was so spellbound that they kept their many questions to the end. Peter not only presented the various maps in a clear and informative power point but also gave interesting and amusing asides like the spat between A.C. Gregory, Queensland first Surveyor General, and his successor W. Alcock-Tully over the slow pace of early mapping and the lack of sufficient resources to do the mapping. Interestingly, both men were involved in the formation of the Society in 1885!

The presentation paraphernalia and a short Map Group general meeting afterwards, were capably managed by Ian Francis standing in for Map Group Coordinator Bob Abnett who was unavailable.

The talk is part of the Map Group's series on early Queensland mapping as well as the Society's remembrance celebrations this year for Gregory, the Society's first President, who was born in Scotland on 1 August 200 years ago. Maybe that is why his first name is "Augustus"!

Photo: RGSQ members around an alidade sighting device, courtesy of Kay Rees

Focus on Geographical Research

Dr. Aude Bernard

Internal Migration in China



Dr Aude Bernard is a Population Geographer/Demographer, an ARC DECRA fellow in the Queensland Centre for Population Research, within the School of Earth and Environmental Sciences at the University of Queensland. Her research interests are in human mobility and migration.

Dr. Bernard works closely with the Asian Demographic Research Institute (ADRI) to advance understanding of migration behaviour in Asia and its socio-demographic impact on societies. One of the countries that Dr. Bernard has been researching is China using a *cohort perspective* to analyse migration levels, patterns and reasons for moving in China for cohorts born between 1935 and 1974. She applies this approach to migration histories retrospectively collected as part of the China Health and Retirement Longitudinal Study in 2014. She is also developing migration projections to provide insights into how migration levels are likely to evolve in the coming decades in China. Her research shows

modest but rising levels of migration underpinned by a reduction in lifetime immobility and a rise in repeat movement, largely caused by an upswing in employment-related migration. Significant sex differentials are demonstrated that have persisted across successive cohorts.

Dr. Bernard has recently completed work for UNESCO to establish the association between internal migration and education attainment in countries at various stages of development. In 2016, she was awarded an ARC Discovery Early Career Researcher Award (DECRA) to examine the long-term decline of internal migration rates in advanced economies. This project aims to establish the onset and pace of migration decline and identify the socio-economic causes of this profound shift in human mobility.

References

Bernard, A 2017, 'Cohort Measures of Internal Migration: Understanding Long-Term Trends', *Demography*, vol. 54, no. 6, pp. 2201-21.

Bernard A., Bell, M, and Zhu Y. (2019) Migration in China: A cohort approach to understanding past and future trends, *Population, Space and Place*, 2019-e2234. <https://doi.org/10.1002/psp.2234>

Geographers in the Spotlight



This year, The Royal Geographical Society of Queensland prize for the highest achieving student in the geography major at the *University of the Sunshine Coast* was a tie, and the joint winners are *Caleb Mattiske* and *Kent Olive*. Both achieved

a perfect grade point average of 7.0 out of a possible 7.0. Caleb is now working in the Northern Territory and Kent has enrolled for his Honours research year. The same award at *James Cook University, Townsville* was presented to *Todd McNeill*. Todd has contributed an article on why one should pursue a career in geography further in this issue.

Why pursue a degree and career in geography?

By Todd McNeill

Introduction

Growing up I have always had a fascination about Earth and the planets in our solar system which resulted in many questions relating to their origins and the mechanisms which shaped them. For many of my teenage years, geographical, geological and space documentaries, aided by Google fuelled my desire to learn more about Earth and the planets that made up our solar system. However, I reached a point where my education became a bottleneck limiting me from understanding the greater complexities of planetary systems. As result this led me to pursue a degree and future career in physical geography (geomorphology).

What is physical geography (geomorphology)?

Geomorphology aims to understand the relationship between landforms and the biological, chemical and physical mechanisms that currently and have historically shaped them. For me Summerfield (1991) best describes geomorphology as, '...the science concerned with the form of the landsurface and the processes which create it'.

The geomorphology discipline has been further extended into areas such as landscapes of planetary bodies within the solar system and also the study of submarine features (Summerfield, 1991).

Why pursue a degree and career in physical geography?

One of the many benefits of geomorphology is that the discipline's philosophies are carried over many environments, whether that is aeolian, catchment, coastal, glacial or my personal favourite coral reef geomorphology. As a result, my current time studying geomorphology has allowed for me to adventure out and experience many of the magnificent landscapes the world has to offer, including fringing reefs of Middle Island, Tully Gorge and the Atherton Tablelands to name a few.

The science of geomorphology is also surrounded by many aspects from other allied disciplines, such as geochemistry, hydrology, and climatology to name a few. Pursuing a degree and career in physical geography will provide one with the critical thinking required to piece together the processes that have moulded the landscape in the past and continue to shape it today.

Studying physical geography also provides advancements in one's technical skill set in areas such as interpreting satellite data through remote sensing, developing maps and models through geographic information systems (GIS) and plotting models and data using programming languages such as R.

Economic outlook

Looking at a career in geomorphology from an economic point of view, according to Australian Governments Job Outlook, geomorphologists looking to work in the environmental science sectors are forecast to see strong job growth over the next 5 years. Other social professionals (geographers) are also forecast to see moderate future growth over the next 5 years.

Conclusion

Now is a very exciting time to pursue a degree and career in geomorphology. Whether your interest is in a particular environmental setting or just a desire to better understand the landforms surrounding you, I am sure geomorphology will be a very rewarding career.

Reference

Department of Jobs and Small Business 2019, Environmental Scientists, Australian Government, viewed 06 April 2019, <https://joboutlook.gov.au/Occupation.aspx?search=alpha&code=2343>

Department of Jobs and Small Business 2019, Social Professionals, Australian Government, viewed 06 April 2019, <https://joboutlook.gov.au/Occupation.aspx?search=Career&code=2724>

Summerfield, M.A. 1991, Global geomorphology: an introduction to the study of landforms, Longman Scientific & Technical, Burnt Mill, Essex.

REPORT: CHANGING LAND USE OF WETLANDS BRISBANE AIRPORT AND DFO

by Jeanette Lamont

On Friday 29 March, 21 members and 4 non-members made up our group of 25 participants in this TAAC day activity.

We met at 8.30am at Park Av near Eagle Junction railway station then went by a very comfortable coach to the mouth of Nudgee Creek. It was fine weather. We had the opportunity to see the wetland environment of swampy melaleuca forest and go for a short walk along the boardwalk to view the mangroves at low tide. The species was mostly *Avicennia marina* with the air breathing roots. As it was just after rain, we did not linger longer for the mosquitoes were finding us. Morning tea was at Nudgee beach.

From there it was a short drive over Kedron Brook floodway to Brisbane Airport Corporation (BAC) headquarters at Skygate. Along the way we saw the variety of competing land uses: the nature reserve, concrete recycling, recreational boat ramps, car parks and golf course.

At Skygate, Hayley, our guide joined us. She took us past the Auto all land development site. 51 hectares for a multi-purpose auto retailing hub around a 2.5km test track. We then went along Moreton Drive and Acacia St and stopped at the plane spotters loop. There we could see the extent of the reclamation work and settlement of sand. From there we came back through the Dryandra underpass with sound barriers where aircraft will soon pass overhead between the new runway and existing passenger terminals.

The new art works were pointed out along the walls. The tiles on the building outside the domestic terminal car park building were particularly interesting. They depicted the meandering Brisbane River and moved with the breeze.

We drove past: the international terminal (recently awarded the world best airport coffee); the pets and freight buildings; the original passenger terminal (so small); Air Nauru; Alliance; the private VIP jet space, and on to the 3 large Qantas maintenance hangers and Pinkenba.

Lunch was at the Transit Tavern. Here, the staff were very efficient in serving us our main meal, coffee and cake in the lounge.

Afterwards there was time to shop at the DFO or visit the BAC headquarters where some of us purchased their wetland honey.

We arrived back at Park Ave at 2.45pm after a very enjoyable day. It was good weather, great company, very interesting and informative viewing of the construction of the new runway and taxiways with an awareness of the change in the noise footprint and BAC's focus on sustainability and biodiversity.

Filipinos, ageing Israelis and Jerusalem

by Peter Griggs

Recently, Tracey and I were fortunate enough to spend some time in Israel. We started our trip in Jerusalem, being present in the city over a Friday and Saturday. These two days coincided with Shabbat or the Sabbath which is Judaism's day of rest. Businesses, government offices, museums, art galleries and libraries start to close soon after noon on Friday. By the time a siren rings out at dusk announcing the start of Shabbat, much of the city had shut down. It is an eerie feeling when a city falls very quiet, as the traffic dwindles and most of its citizens head indoors for festive meals.

We were staying in accommodation in West Jerusalem, so we decided to go for a walk to see what shops etc. had remained open. Other people who we presumed to be tourists must have had the same idea as we were not alone. We encountered a few open pizzerias and restaurants, and a Filipino grocery store and restaurant which was being well patronised by Filipinos. The presence of so many Filipinos was puzzling and the next day we asked our guide for an explanation. He explained that Israel has an ageing population* and difficulty attracting workers to the aged care sector. Filipinos can enter Israel on five-year work permits, and now make up a considerable portion of the aged care sector in the country.

Jerusalem has a population of approximately 800,000. The city sprawls across several hills which form part of the Judean Mountains, an elevated plateau which runs through the centre of Israel. The hills of Jerusalem are bisected by the Kidron Brook, a non-permanent watercourse that is prone to sudden flooding after rain.

Jerusalem has a complicated internal geography (see Figure 1). East Jerusalem is quite hilly and populated by approximately 260,000 Palestinian Arabs. Many live in three to six storey apartments (see Figure 2). Until the Six-Day War or Third Arab-Israeli War (5-10 June 1967), this territory was part of Jordan. Jewish areas, however, have been established in East Jerusalem and it is estimated that approximately 200,000 Jews now live in East Jerusalem.

West Jerusalem is not as hilly and is that part of the city created mostly after Israel became a separate country in 1948. Israeli Government Ministries, the Israeli Parliament, and the Israeli National Museum and Art Gallery are located in this part of the city. The third section is the Old City, which was first established c. 1500 BCE, destroyed by the Romans in 70 CE and then later rebuilt during the second and third century CE. Today, it is an area of narrow, winding streets (see Figure 3) and is still surrounded by walls (see Figure 4). The Old City is entered via various gates in the walls (e.g. Damascus; Jaffa; Zion), including one whose name conjures up past city functions (see Figure 5).

We did not venture into East Jerusalem. This area is what geographers call "contested space." As mentioned earlier, this territory was annexed by Israeli after 1967. The Palestinian Authority, created after the Oslo Peace Accords in 1993, claimed in 2002 that East Jerusalem should become the capital of the new state of "Palestine." This idea has been rejected by Israel, with successive Israeli

governments declaring that Jerusalem is the "complete and united capital of Israel."

Most of our time was spent exploring the Old City, which is split into the Armenian, Jewish, Muslim and Christian Quarters. Access to the Muslim Quarter is regulated so we did not visit that part of the Old City where Temple Mount and the Dome of the Rock are situated (can be seen from a distance, however). The other main sites that can be visited include the Western Wall, Herodian mansion ruins, the Church of the Holy Sepulchre, King David's Tomb (reputedly), Via Dolorosa and various Christian churches.

We were reminded that Jerusalem has had a violent recent past (and ancient past) when our guide showed as two features. The first was the bullet holes made in the city's walls by the fighting between the Israeli and Jordanian troops in 1967. The second was the site where archaeological excavations have revealed an almost metre thick layer of ash which the archaeologists have concluded was created after the Romans destroyed Jerusalem in 70 CE.

For a very readable account of Jerusalem's complicated history, I would recommend Simon Montefiore's *Jerusalem. The Biography* (London: Phoenix, 2011).

* In 2018, 11.6% of Israel's population was aged over 65 years of age (Source: CIA World Factbook).



Figure 1. Map showing the three parts of Jerusalem. Source: <https://www.city-journal.org/html/between-green-line-and-blue-line-13397.html>



Figure 2. A view of East Jerusalem from the Old City, January 2019. Source: Peter Griggs



Figure 3. Some of the narrow streets in the Jewish Quarter, Old City, Jerusalem. Source: Peter Griggs



Figure 4. A view of the Old City of Jerusalem taken from Mount of Olives. The Dome of the Rock, Islam's third holiest site, is featured in the centre of the image. Source: Peter Griggs



Figure 5. One of Jerusalem's Old City's gates. The Dung Gate allows entrance into the Jewish Quarter. Source: Peter Griggs.

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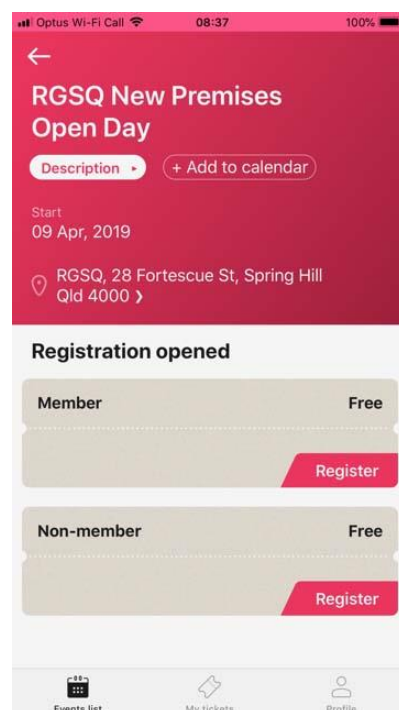
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RGSQ's Map Library

Peter Nunan, the current curator of the Map Library, is seeking a few volunteers to join him in maintaining the Society's map collection on Mondays.



If you would like to help, please contact the RGSQ Office on 07 3368 2066 or email info@rgsq.org.au.

June Thomson Oration

Dear all, please note that, this year, the usual May Thomson Oration will be delivered in June by John Connell with a lecture on *"The Pacific Islands: Sinking Islands and Sinking Geographies?"*

Easter Holidays and ANZAC Day Office Closure

The RGSQ Office will be closed during the Easter Holidays on Friday the 19th and Monday the 22nd of April and ANZAC Day on the 25th of April.

We wish all RGSQ members and their families a Happy Easter!

To register for upcoming RGSQ trips and events visit the RGSQ website

<https://rgsq.org.au/whatson>

'Gregory Place' Open Day 9 April 2019



Presentation to members and guest, courtesy of Kay Rees



New map library and collections area, courtesy of Kay Rees

RGSQ Bulletin

May 2019

Lecture/Meeting: Tuesday 7 April

'Taking the waters': mineral springs, artesian bores and health tourism in Queensland

Presentation by Peter Griggs

Special General Meeting – before the monthly May lecture

Activity: Tuesday 14 May

Lamington National Park Bush Walk

Map Group: Tuesday 7 May, 8:40am - 3:30pm

Visit to North Stradbroke Island Historical Museum & lunch at Island Fruit Barn Café

Ken Sutton Memorial Library: Monday 24 June

9:30am – 12:00 noon, 'Gregory Place', Level 1, 28 Fortescue St, QLD 4000. No meeting in May

The May Council will meet on the third Tuesday of the month

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